

# Understanding Spatial Language: How the Geometry of the Located Object Affects Spatial Language Processing

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Spatial descriptions, such as “The car is in front of the house,” describe the position of a located object (LO; e.g., the car) in space relative to a reference object (RO) whose location is known (e.g., the house). The orientation of the RO affects spatial language comprehension via the reference frame selection process. However, the effects of the LO’s orientation on spatial language have not received great attention. In this talk I’ll present you with some evidences collected from different tasks showing that the geometric information extracted from the LO affects spatial language comprehension. I will also show you some data in support of the hypothesis that only the direction (but not the orientation) of the LO influences spatial language apprehension.